

Wire, Wire Rope or Cable Assemblies and Devices Using Same

Abstract

A vehicle occupant restraint system including: a seat belt pretensioner comprising a curved cable guide and a flexible cable, having a determinable stiffness to bending, positioned about and movable relative to the cable guide. One end of the cable is adapted to be connected to a piston means for moving the cable (or alternately to a static anchor) and an opposite end of the cable adapted to be operably connected to a seat belt buckle, a portion of the cable impregnated with a first material to increase the stiffness of the cable, the cable configured to be drawn into the cable guide and to dissipate energy as it is so moved. Additionally, the first material covers the exterior of the cable and is of determinable thickness.